ASSOCIATE SUPERINTENDENT APPROVAL

STATE BOARD MEETING DATE   September 25, 2006

SUBJECT: Career and Technical Education Program List

SUBMITTED BY: Barbara Border on behalf of Milton D. Ericksen

MANAGEMENT TEAM REVIEW:

BACKGROUND INFORMATION: On July 17, 2006 State CTE Advisory Committee to the State Board of Education approved recommendations related to the Career and Technical Education Program List that now require approval by the State Board for Vocational and Technical Education.

Labor Market Information is used to determine which programs are on the CTE Program List.   The CTE Program List is dynamic since the calculations and formula are applied every two years to current labor market information. The CTE Program List is used for several purposes:
- Districts use the list to determine which programs to offer and support with their Federal and State CTE funds.
- CTE uses it as the source list for distributing State CTE enrollment and placement funding.
- ADE uses the list for ADM funding for JTED enrollment.

Each CTE Program is based on content and numbering system called the Classification of Instructional Programs (CIP) which is updated every 10 years by the National Center for Education Statistics. CIP codes are cross-walked to Standard Occupation Classification (SOC) system which reflects over 1000 SOC occupations. Each have related labor market information such as openings, wages, and O*NET information.

The current approved formula is as follows:
> 2 x projected annual job openings
> 1.5 x O*NET identified skills
> .5 x average wages

Carl D. Perkins CTE Improvement Act of 2006 has numerous references to preparing students for high skill, high wage and high demand occupations. It also has references to preparing students for new and emerging occupations.

Request consideration to approve the following recommendations:

Recommendation #1
Change the formula to determine priority of programs on CTE Program List
> 2 x projected annual job openings
> 1 x average wages
> 1.5 O*NET Descriptor Knowledge, Skills and Abilities Scores

> **Subpart A: Use occupations with Education Training level 11-6 which goes up through Associate Level**. Each SOC has a training level assigned to it by the Bureau of Labor Statistics.

Subpart B: Use O*NET Descripters knowledge, skills and abilities scores when calculating the O*NET scores in the formula. The O*NET is a comprehensive database of worker attributes and job characteristics. It contains knowledge, skills and abilities scores for all occupations. The score provides a comprehensive picture aligning with high skills. The occupations with O*NET scores in the bottom 3 percent will not be included.

Subpart C: Increase the weight of wages used in formula from .5 to 1. The recommended formula emphasizes high wage, high demand and high skill occupations.

Recommendation #2
Add a new category to the CTE Program List called "new and emerging" programs and distribute Vocational State Block Grant enrollment funds at 1.25 percent. New and emerging programs have insufficient data to support them using the regular formula. These two – three programs will appear on the top of the program list. Several recent research reports such as the Battelle Reports and the Public Works High School Alignment Report identified occupations in this category. One strand is Engineering, Math, Technologies and Science. Another strand is in the area of Biomedical Health, Genomics, Technologies and Science. Both are targeted as high growth potential in Arizona. They will articulate with postsecondary institutions.

BOARD ACTION REQUESTED: [ ] INFORMATION   [X] ACTION/DESCRIBED BELOW:

Approve the two recommendations and develop related policies to affect the development of the CTE Program List.

ATTACHMENTS: YES [ ]   NO[ ]